

ACC NR: AP7005581

pointed out in the conclusion that in view of the ambiguities involved in the powder method, further research with single crystals is necessary to check on the conclusions concerning the structure of the high-pressure phase of iodine. Orig. art. has: 4 figures and 2 tables.

SUB CODE: 20/ SUBM DATE: 23Sep66/ ORIG REF: 003/ OTH REF: 011

Card 2/2

KOLOD, J.

✓ Cutting Tools with Sintered Corundum Tip. J. Kolod, MC  
(Sinter, 1952, No. 1, pp. 48-49).

of  
11/67

KCLOC, J.

"Tools Made of Sintered Corundum." p. 48 (Strojirenstvi, Vol. 3, no. 1, Jan. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

KOLOD, J.

"Finishing Gears by Shaving." p. 113 (Strojirenstvi, Vol. 3, no. 2, Feb. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

KOLOD, J.

"New Soviet Achievements in Mechanical Engineering Research." p. 273

"The Destructive Effect of High-Speed Cutting Techniques on Steel." Trans. from  
the Russian. p. 275 (Strojirenstvl, Vol. 3, no. 4, Apr. 1953, Praha)

SO: Monthly List of <sup>East European</sup> ~~Russian~~ <sup>Accessions</sup>, Vol. 3, No. 3, Library of Congress, March <sup>1954</sup> ~~1953~~, Uncl.

KOLOD, J.

Journal of the Iron and Steel Institute,  
Vol. 170  
Apr. 1954  
Machining and Machinability

Durability of Cutting Tools in High-Speed Cutting with  
Large Tool Advances per Revolution. J. Kolod. (Strojivnitsi,  
1953, 3, (10), 738-740). [In Czech]. Formulas are given for  
the efficiency of cutting and turning metal, and it is shown  
by the author's tests that the generally accepted formulas  
are in need of modification. The difference between the old  
and the new formulas becomes appreciable with high-speed  
cutting. The new formulas proposed are essentially in agree-  
ment with those given in the most recent Russian literature.

10/22/54  
88P

KOLOC, J.

"Improving the Technology of Metalworking." p. 821 (STROJIRENSTVI, Vol. 3, No. 11, Nov. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

KOLCC, J.

KOLCC, J.

"Research Into the Cutting Properties of Czech Produced Sintered  
Corundum"

Discussion on the machining of metals by means of a new cutting  
material, recommending cutting angles, feeds and speeds and giving  
examples of uses.

SO: Strojirenska Vyroba (Engineering Production), Czechoslovakia,  
Vol 2, No.2, Feb., 1954, pp 45-92. (~~REDACTED~~,  
~~REDACTED~~)



KOLOC, J. ; PREISLER, J.

"Strength of cutting tools made of sintered carbides." p. 751.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)  
Praha, Czechoslovakia, Vol. 5, no. 10, Oct. 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

KOLCC, J.

New trends in the technology of metal-working.

p. 411 (Strojirenska Vyroba) Vol. 5, no. 9, Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

KOLOC, J. ; PRESSLER, J.

"Interchangeability of dimensionally setup cutting tools of multispindle automatic lathes." p. 248.

STROJIRENSKA VYROBA. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)  
Praha, Czechoslovakia, Vol. 7, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

KOLOC, J.; PREISLER, J.

Carbide tools on multispindle automatic machines. p. 347.

STROJIRENSKA VYROBA. Praha, Czechoslovakia. Vol. 7, no. 8,  
August 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

Uncl.

KOLOC, K.

KOLOC, K. Extent of standaridization and technical mormalization. (Conclusion) p. 265

Vol. 5, no. 12, Dec. 1956

NORMALISACE

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

KOLOC, V.

National Conference on Raising the Technical and Organizational  
Standard of Production in Brno, April 9-10, 1964. Podn org 18  
no.5:2 of cover My '64.

BRAUNER, Bohuslav; DLABOLA, Miroslav; KOLOC, Vladislav

Some principles of raising working conditions on worksites and their application. Tech praca 15 no.2:101-104 F '63.

1. Vyzkumny ustav skla a bizuterie, Jablonec nad Nisou (for Brauner and Dlabola). 2. Technicko-organizacni vyzkumny ustav strojirensky, Praha (for Koloc).

KOLOD, V.

Technical, economic, and organization research and development  
institutes in Yugoslavia. Podn org 19 no.3:141 Mr '65.



KOLOC, W?

Tasks of standardization and technical normalization. p. 116.  
(Standardizarea, Vol. 9, No. 3, Mar. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (BFAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

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1416 1418 1454

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S/536/61/000/050/006/017  
D217/D304

AUTHORS:

Livanov, V.A., Professor, Bukhanova, A.A., and Kolochev,  
B.A., Candidates of Technical Sciences

TITLE:

Influence of hydrogen on the structure and properties of  
the alloys BT 8(VT8) and BT10 (VT10)

SOURCE:

Moscow. Aviatsionnyy tekhnologicheskii institut. Trudy,  
no. 50, 1961, Voprosy metallovedeniya, 52-60

TEXT: The influence of hydrogen on the mechanical properties of the  
 $\alpha + \beta$  titanium alloy VT8 and of the  $\alpha$ -titanium alloy VT10 was studied  
at various rates of deformation. The specimens were cut from hot forged  
rods of 14 x 14 mm cross section. Sections from these were annealed  
in vacuo at 900°C for 6 hours and then saturated with hydrogen. The  
specimens were then furnace cooled. The hydrogen content was determined  
from the gain in weight of the specimens, as well as from the change in  
hydrogen pressure in the system. The hydrogen remaining in the specimens

Card 1/2

KOLOCHKIN, B. (Leningrad)

EV-1 amplifier. Sov. foto 19 no.10:70-71 0 '59.

(MIRA 13:1)

(Photography, Flash-light--Equipment and supplies)

KOLOCHKO, M. A.

"2

M. A. Kolochko

Indicators, Which Record The Characteristic Changes In Solar and Water  
Balance of Lakes and Innerland Seas

Reports Academy of Sci, USSR, Moscow  
Vol. 75, No. 2, 1950, pp. 251-255

From: Monthly list of Russian Accessions  
January 1951, Vol. 3, No. 10, p. 25

KOLOCHKOV, V.

SEMEKOV, I., kapitan tekhnicheskoy sluzhby; KOLOCHKOV, V., starshiy inzh.-  
leytenant

Introduce a class system for the technical engineers corps. Voen.  
vest. 37 no.4:73 Ap '58. (MIRA 11:4)  
(Military engineering)

KOLOCHKOV, V.P.

REPORT, B.S.; KOLOCHKOV, V.P.

Luminous spectrometric apparatus for the investigation of luminescence.  
Izv. AN SSSR Ser. fiz. no. 5:601-604 '56. (MIRA 9:9)  
(Spectrometer) (Luminescence)

HRDY, O.; KOLOCOVA, J.

Corticosteroids. I. Partition chromatography of some corticosteroids.  
Cesk. farm. 11 no.4:185-187 '62.

1. Státní ústav pro kontrolu léčiv, Praha.  
(ADRENAL CORTEX HORMONES chem) (CHROMATOGRAPHY)

KOLOCZEK, B.

M. Chorazy, A. Gettlich, L. Goral, B. KOLOCZEK, E. Molawka, B. Penar,  
Z. Szveda, "Experimental Chemotherapy of Tumors with Hydrogen Peroxide,"  
Nature, Vol. 182, No. 4632, 9 Aug 58, pp 395-96.

Published from the Department of Tumor Biology, Institute of Oncology,  
Gliwice, Poland. Received 1958.



KOLOCZEK, Petr, inz.

Heating time in soaking pits depends on the ingot size and the delay between the tapping in the steel plant and the discharge into the soaking pit. Hat listy 19 no.5:358-360 My '64

1. Trinecke zelezarny Velke rijnové socialistické revoluce.

BONDARENKO, M.G. [Bondarenko, M.H.]; VORONEZHSKIY, V.I. [Voronezhs'kiy, V.I.]; KITAYTSEVA, Z.P.; KOVAL', M.M.; KOLODA, V.D.; KORSAKOV, O.O.; KREMINSKAYA, Ye.D. [Kremins'ka, Ye.D.]; KUKTA, G.M. [Kukta, G.M.], inzh.-mekhan.; PIVOVAR, S.G. [Pivovar, S.H.]; SOLOVY, V.I.; OLEFIRENKO, G.A. [Olefirenko, H.A.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn.red.

[New agricultural machines] Novi sil's'kohospodars'ki mashyni.  
Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR, 1959. 231 p.  
(MIRA 15:4)

(Agricultural machinery)

KOLODA, V.D., inzh.

IKU-5,0 machine for cutting vine and root crops. Mekh.  
sil'. hosp. 11 no.10:28-29 0 '60. (MIRA 13:9)  
(Agricultural machinery)

KOLODCHENKO, I. A.

Kolodchenko, I. A. "Testing of experimental types of F-1-7 locomotives in the mines of the Pechora Basin", Pechonkov. ugol'nyy basayn, No. 3, 1948, p. 55-71.

So: U-3261, 10 April 52, (Letopis 'Zhurnal 'nykh Stetey, No. 12, 1948).

ACC NR: AT7006012

(A)

SOURCE CODE: UR/2917/66/000/315/0170/0186

AUTHOR: Kolodchevskiy, Ye. A. (Engineer)

ORG: None

TITLE: Remote control channels along the electric power transmission lines on poles of a contact network

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Trudy, no. 315, 1966. Elektronnyye skhemy avtomatiki i zashchity tyagovykh podstantsiy zheleznnykh dorog (Electronic circuits for the automation and protection of railroad substations), 170-186

TOPIC TAGS: remote control system, electric power transmission, electronic equipment

ABSTRACT: The author discusses methods for increasing the capacity of remote control channels on electrified railways by using high-voltage electric power transmission lines (35-400 kv), branched power networks (0.4-10 kv) and contact networks. Formulas are given which may be used in analyzing the propagation of rf currents along electric power transmission lines on the support towers of a contact network. Experimental data on line attenuation and interference were analyzed for a rough approximation of the effective range of remote control channels on 10 kv three-phase electric power transmission lines. It is shown that rf equipment for remote control channels may be

Card 1/2

KOLODCHEVSKIY, Ye.A., aspirant; SERGIYEVSKIY, A.S., inzh.

Frequency parameters of 10 kw three-phase lines on overhead  
structures. Vest. TSNII MFS 24 no.2:9-13 '65.

(MIRA 18:5)

SHCHERBINA, Ye.I.; BABAYEV, Kh.; ATAYEV, Ch.; KOLODENKO, A.I.

New data on the occurrence of some vertebrates in Karabil'  
(southeastern Turkmenia). Izv. AN Turk. SSR. Ser. biol.  
nauk no.1:88-89 '64. (MIRA 17:9)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

KOLODEY, A.

Roofs

New methods for repair of metal roofs. Zhil. -kom. khoz. 2 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.



KOLODEY, A., inzhener.

Mechanization of roof cleaning before painting. Zhil.-kon.khoz. 3 no.10:27  
0 '53. (MLRA 6:11)

(Metal cleaning)

GORBATOV, V.I.; KOLODEY, A.P., redaktor; KRASIL'SHCHIK, S.I., redaktor;  
TOKER, A.M., ~~tekhnicheskyy~~ redaktor

[Booklet on safety measures for roofers] Pamiatka po tekhnike  
bezopasnosti dlia krovel'shchikov. 3. izd. Moskva, Gos. izd-vo lit-ry  
po stroitel'stvu i arkhitekture, 1954. 39 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel  
tekhniki bezopasnosti i promyshlennoy sanitarii.  
(Roofing--Safety measures)

KOLODNY, A.P.; KOZLOVSKIY, A.S.

[Roof work in rural construction] Krovel'nye raboty v sel'skom  
stroitel'stve. Moskva, Gos. izd. lit. po stroit-vu i arkhi-re, 1954.  
124 p. (MIRA 8:1 D)

KOLODEY, A.P.

ZEL'TSER, R.S.; KOLODEY, A.P., redaktor; KRASIL'SHCHIK, S.I., redaktor;  
TOKER, A.M., tekhnicheskiy redaktor.

[Handbook on safety techniques for insulation workers] Pamiatka  
po tekhniko bezopasnosti dlia izolirovshchikov. [Sostavil  
R.S.Zel'tser. Redaktor A.P.Kolodei] 2. izd. Moskva, Gos. izd-vo  
lit-ry po stroitel'stvu i arkhitekture, 1954. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva.  
Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.  
(Insulation(Heat)) (Safety engineering)

KOZLOVSKIY, A.S.; ~~KOLODEY, A.P.~~; YURLOVSKIY, A.P., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TYAPKIN, B.G., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Construction of roofs] Ustroistvo krovel'. Moskva, Gos. izd-vo lit-ry po stroit- i arkhitekture, 1956. 251 p. (MLRA 10:4)  
(Roofs)

KOLODEY, A.P.

Quality of roofs and gutters. Gor. khoz. Mosk. 32 no. 4:9 Ap '58.  
(MIRA 11#4)

1. Mosshilupravleniye.

(Roofs) (Gutters)

KOLODEY, Anton Pavlovich, inzh.; YARTSEV, N., red.; SHLYK, M., tekhn.  
red.

[Major repair of an apartment house] Kapital'nyi remont zhilogo  
doma. Moskva, Mosk. rabochii, 1961. 67 p. (MIRA 15:1)

1. Zhilishchnoye upravleniye ispolnitel'nogo komiteta Moskov-  
skogo gorodskogo sojeta deputatov trudyashchikhsya (for Kolodey).  
(Moscow--Apartment houses--Maintenance and repair)

IVANOV, I.T., kand. tekhn. nauk; KHANIN, G.F., inzh.; DUMASHOV, Yu.F.,  
inzh.; KOLODEY, A.P., inzh.; IVANOV, V.P., inzh.; VEKSLER, Z.Ya.,  
KRYUKOV, A.A., inzh.; SEMENENKO, V.A., inzh.; VISHNEVETSKIY, I.M.,  
inzh.; SHTRIMEL', G.Kh., inzh.; MARCHENKO, V.T., inzh. spets. red.;  
SMIRNOVA, R.N., red. izd-va; NAZAROVA, A.S., tekhn. red.

[Technical specifications for conducting and inspecting general  
and special construction work in the capital repair of apartment  
houses] Tekhnicheskie uslovia na proizvodstvo i priemku obshche-  
stroitel'nykh i spetsial'nykh rabot pri kapital'nom remonte zhi-  
lykh domov. Moskva, 1960. 447 p. (MIRA 15:4)

1. Russia (1917- B.S.F.S.R.) Ministerstvo kommunal'nogo kho-  
zyaystva.

(Apartment houses--Maintenance and repair)



KOZLOVSKIY, Arkadiy Stepanovich; KOLODEY, A.P., nauchnyy red.;  
ROGOL'SKIYAYA, L.I., red.; DORODNOVA, L.A., tekhn. red.

[Roofing operations] Proizvodstvo krovel'nykh rabot. Moskva,  
Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1962. 265 p.  
(MIRA 15:3)

(Roofing)

IVANOV, I.T., kand.tekhn.nauk; KHANIN, G.F., inzh.; DUMASHOV, Yu.F., inzh.; KOLODEY, A.P., inzh.; IVANOV, V.P., inzh.; VEKSLER, Z.Ya., inzh.; KRYUKOV, A.A., inzh.; SEMENENKO, V.A., inzh. VISHNEVETSKIY, I.M., inzh.; SHTREMEL', G.Kh., inzh.; SMIRNOVA, R.N., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical specifications for carrying out and inspecting general and special construction work during major repairs of residential buildings] Tekhnicheskie usloviia na proizvodstvo i priemku obshchestroitel'nykh i spetsial'nykh rabot pri kapital'nom remonte zhilykh domov. Izd.2., bez izmenenii. Uтверждены приказом Министерства коммунального хозяйства РСФСР от 26 апреля 1960 г. No.118 и согласованы с Государственным комитетом Совета Министров СССР по делам строительства. Москва, Изд-во М-ва коммунального хозяйства РСФСР, 1962. 326 p. (MIRA 15:3)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva.

(Apartment houses--Maintenance and repair)

KOLODEY, Anton Pavlovich, inzh.; KHANIN, Georgiy Fedorovich, inzh.;  
TSEYTLIN, Sholom Yudovich, kand. tekhn. nauk; DUMASHOV,  
Yu.F., red.; YEVDOKIMOVA, Ye.D., red. izd-va; LELYUKHIN,  
A.A., tekhn.red.

[Elements of the projecting parts on building facades; their  
maintenance and repair] Konstruktsii vystupaiushchikh cha-  
stei na fasadakh zdaniy, ikh soderzhanie i remont. Pod ob-  
shchei red. G.F.Khanina. Moskva, Izd-vo M-va kommun.khoz.  
RSFSR, 1962. 198 p. (MIRA 15:10)  
(Façades—Maintenance and repair)

KOZLOVSKIY, Arkadiy Stepanovich; KOLODEY, A.P., red.; YEVDOKIMOVA,  
Ye.D., red.izd-va; KHENOKH, F.M., tekhn. red.

[Handbook for the roofer carrying out the maintenance of a  
residential building]Pamiatka krovvel'shchika, vypolniaiushche-  
go tekushchii remont zhilogo doma. Moskva, Izd-vo M-va kom-  
mun.khoz.RSFSR, 1961. 44 p. (MIRA 16:1)  
(Roofs--Maintenance and repair)

PACHOGIN, Ivan Pavlovich; BURAK, Lev Yakovlevich; RABINOVICH,  
Grigoriy Mikhaylovich; KRUGLYAKOV, Yuliy Gdal'yevich;  
KOLODEY, A.P., red.

[Practice in planning the capital repairs of residential  
buildings] Opyt proektirovaniia kapital'nogo remonta zhi-  
lykh zdani. Moskva, Stroiizdat, 1964. 124 p.

(MIRA 18:1)

IVANOV, Ivan Tikhonovich, kand. tekhn. nauk; POLYAKOV, Yevgeniy Vladimirovich, dots., kand. tekhn. nauk; DUMASHOV, Yuriy Fedorovich, inzh.; ARIYEVICH, Eliozar Moiseyevich kand. tekhn. nauk; KOLODEY, Anton Pavlovich, inzh.; SOSNIN, Yuriy Pavlovich, kand. tekhn. nauk; SMIRNOV, L.V., red.

[Manual on the technical maintenance of apartment houses]  
Rukovodstvo po tekhnicheskoi ekspluatatsii zhilykh zdaniy.  
[By] I.T.Ivanov i dr. Moskva, Stroizdat. Pt.1. 1964.  
261 p. (MIRA 18:2)

KAZANSKIY, Nikolay Vasil'yevich, inzh.; NIZHNIK, Yakov Tarasovich,  
inzh.; KOLODEY, A.P., red.

[Roofing operations] Krovel'nye raboty. Moskva, Stroiizdat,  
1964. 86 p. (MIRA 18:3)

KOLODEY, Anton Pavlovich, inzh.; PAVLOVA, Klara Artem'yevna,  
inzh.; BOGUSLAVSKIY, Leontiy Davydovich, kand. tekhn.  
nauk; BERNSHTEYN, Yevgeniy Iosifovich, inzh.;  
KISLINSKIY, Yan Vladimirovich, inzh.; KIRPICHNIKOV,  
Aleksandr Aleksandrovich, kand. tekhn. nauk; IVANOV,  
Valentin Pavlovich, inzh.; KUTUKOV, Vladimir Nikolayevich,  
arkh.; DEMENT'YEV, Anatoliy Ivanovich, kand. tekhn. nauk

[Handbook on maintenance of apartment houses] Rukovodstvo  
po tekhnicheskoi ekspluatatsii zhilykh zdaniy. Moskva,  
Stroiizdat. Pt.2. 1965. 291 p. (MIRA 18:7)



L 15637-65 EWT(1)/EWT(1)/EEC(k)-2/EEC(f)/EWA(1)/EEC-4/EEC(h)-2 Pc-4/  
...P1-4 ASD-3/ESD-1 IIP(1)ADP1 11  
...P4047484 ... 192-184

AUTHOR: Kolodneyev, I. D.; Sudovtsov, A. I.

TITLE: Instrument for measuring electromagnetic forces in superconductive  
ports

Prilozheniye k tekhnika eksperimenta no 5 1984 192-184

TOPIC TAGS: superconductivity, superconductive magnetic support

ABSTRACT: The instrument comprises a cryostat, a test superconductive  
magnetic support, a measuring system, a vibrator, and a contact device. The  
support and the contact device are placed in a He-filled cryostat; the measuring  
vibrator are at room temperature. The superconductive support  
is served by a spring dynamometer. The measurement error is  
... maximum measured ... 115 g. A  
... is supplied.

Card 1/2

7-11-82-144

ACCESSION NR: AP4047484

ASSOCIATION: Fiziko-tekhnicheskii institut AN UkrSSR (Physico-Technical  
Institute AN UkrSSR)

SUBMITTED: 14Nov63

ENCL: 00

SUB CODE: GP

NO REF SOV: 000

OTHER: 003

Card 2/2

KOLODEYEV, I.D.; SUDOVTSOV, A.I.

Apparatus for measuring the electromagnetic forces in  
superconducting magnetic supports. Prib. i tekhn. eksp.  
9 no.5:182-184 S-O '64. (MIRA 17:12)

1. Fiziko-tekhnicheskiiy institut AN UkrSSR.

KAZARNOVSKIY, Ya.S.; KOLOBYEV, I.P.; SORKINA, Ye.M.; IRLIN, A.L.  
SOLNTSEVA, L.H.

Oxidative thermal pyrolysis of hydrocarbon gases to acetylene.  
Khim. prom. no. 7:547-551 O-N '60. (MIRA 13:12)  
(Hydrocarbons) (Acetylene)

KOLODEYEV I. P.

2

5/064/61/000/001/002/011  
3110/3215

**AUTHORS:**

Kasarnovskiy, Ya. S., Semenov, V. P., Orcharenko, B. G.,  
Tsylin, A. S., Kolodeyev, I. P., Litvinchuk, V. A.

**TITLE:**

Problems of apparatus design for the thermooxidative pyrolysis  
of hydrocarbon gases

**PERIODICAL:**

Khimicheskaya promyshlennost', no. 1, 1961, 11-15

**TEXT:** The pyrolysis of hydrocarbon gases for the production of  $C_2H_2$  and  
synthesis gas takes place at 1450-1500°C. Since the intermediate  $C_2H_2$  must  
not remain in the reaction zone for more than 0.005-0.01 sec, short tongues  
of flame must be used. At the industrial apparatus by Sachse and Bartho-  
loew with maximum production of  $C_2H_2$  of 3500-5000 tons per year is no longer  
sufficient, a new more efficient apparatus has to be designed. Highly turbu-  
lent combustion increases the rate of flame propagation and shortens the  
tongue considerably. The method of methane pyrolysis applied by B. G. Orcharenko  
yielded high  $C_2H_2$  concentrations. Its industrial application, however, is

Card 1/4

rendered difficult due to the almost critical velocity of the gas of  
200-250 m/sec required for it, due to the high initial temperature (700-800°C)  
of the oxygen necessary for the combustion stabilization (7% of the total  
amount), and due to an increase in temperature of the reaction channel of  
up to 2000°C. A pilot plant for average gas velocities and efficiencies of  
approximately 160 m<sup>3</sup>/hr is described. The conical ring nozzle of the burner  
contained whirl blades. The  $CH_4/O_2$  mixture flowed into the reaction channel  
at 400°C and approximately 150 m/sec. The oxygen used for stabilization was  
only 5% of the total  $O_2$  content. Maximum temperature in the reaction zone  
was 1450°C; gas velocity, approximately 100 m/sec; its stay: 0.0025 sec.  
The acetylene yield was 8 to 8.4% of the reaction gases plus deposition of  
carbon blacks 3 to 3.5 g/m<sup>3</sup> of the initial mixture; ratio  $O_2$  consumption  
- 0.62 to 0.64. According to the author, transition from pilot stage to  
industrial stage would be most suitable by increasing the number of burners.  
Fig. 1 shows the pilot plant of 1958. Coke oven gas of the ammonia unit  
compressed up to 0.36 atm by compressor (4), is purified in cloth filter (5)

Card 2/4

and conveyed to the preheating oven (3). Industrial oxygen compressed up to  
0.36 atm by a VK-5 (CHX-5) compressor 1 is also conducted into the pre-  
heating oven via water separator (2) and filter (5). There,  $O_2$  is heated to  
350°C, and the coke oven gas to 450°C. From mixer (6), the mixture is  
at a temperature of 300°C conducted into burner (7) and reaction vessel (8)  
from which the pyrolysis gases flow out at 80-90°C. After leaving scrubber  
(11) where the latter were purified from carbon black, they pass through  
separator and filter before they are used for the production of acetylene.  
The triple burner of Fig. 3 which is used by the author, has four spirals  
for producing whirles. Stabilizing  $O_2$  is conducted through their axles. The  
following parameters have to be observed exactly to attain an optimum course  
of reaction: consumption of  $O_2$  and hydrocarbon gas, temperature of pre-  
heating, ratios  $[O_2] : [C_2H_2]$  in the initial mixture, and amounts of water.  
The following control and regulation apparatus were used: APM-270 (DPA-270),  
AM-410 (DP-410), AM-280 (DP-280), MM-46-54 (MASH-Pr-54), 300-09 (EPF-09),  
and 2M1245 (2EL124V) on AVC(AUS) blocks. The following average composition

Card 3/4

3/064/61/000/001/002/011  
B110/5215

Problems of apparatus design for...

of the initial gas was determined:  $C_2H_4 = 3\%$ ,  $O_2 = 0.6\%$ ,  $CO = 13.8\%$ ,  $H_2 = 6.7\%$ ,  $CH_4 = 62\%$ ,  $N_2 = 13.7\%$ . For stabilizing the flame, 3% of the total oxygen (79 to 90% of  $O_2$ ) was required. The temperature of the reaction channel was approximately 1300°C, that of the reactor block 100°C. The total time of reaction was 5000 hr, ratios  $[C_2H_4] : [CH_4 + C_2H_6] = 0.62$  to 0.72. Optimum yield of  $C_2H_2 = 7.3\%$ , its average = 6.9%; total cracking = approximately 30%, effective cracking approximately 10%. The adiabatic temperatures of the reaction were lower than that of the hydrogen formation according to  $CO + H_2O = CO_2 + H_2$ . The temperature of preheating (500°C) probably causes a reduction in  $O_2$  consumption by 10%. The method is suited for supplementing the production of nitrogen fertilizers for which hydrogen is obtained from coke oven gases. A percentage of approximately 4 t of  $H_2$  per t of  $C_2H_2$  was obtained. There are 3 figures, 2 tables, and 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc.

Card 4/4

S/081/61/000/020/083/089  
B110/B147

AUTHORS: Semenov, V. P., Kazarnovskiy, Ya. S., Kolodneyev, I. P.,  
Litvinchuk, V. A.

TITLE: Conversion of heavy petroleum residues into synthesis gas

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 405-406,  
abstract 20M103 (Gaz. prom-st' no. 2, 1961, 41-48)

TEXT: Experiments on the conversion of mazout into synthesis gas were conducted on an experimental plant (diagram given) for conversion at high temperature. The efficiency of the plant was 6.6-7.9 kg of mazout per hr. The average ratio of the linear velocities of mazout escape from the nozzle and of the vapor-oxygen mixture was  $\sim 200$ , the volume of the reaction space was  $0.006 \text{ m}^3$ , the temperature in the reaction zone was  $1350-1450^\circ\text{C}$ , and the linear velocity of converted gas in the reaction zone was 6-9 m/sec. Experimental and calculated equilibrium compositions of the reaction mixture, and comparative tables of efficiency with respect to carbon or oxygen, calculated from equations and obtained from the values of material equilibrium, are presented. It is concluded that

Card 1/2

Conversion of heavy petroleum...

S/081/61/000/020/083/089  
B110/B147

the equations indicated for the techniques of commercial gas production  
from carbon raw material have a universal character. [Abstracter's note:  
Complete translation.]

Card 2/2



PYASETSKIY, P.K.; LYKOV, A.N.; KOLODEZH, A.Z.

Direct-current transfer trucks equipped with bracket platforms.  
Rats. i izobr. predl. v stroi. no.5:48-50 '58. (MIRA 11:6)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela Beskudnikovskogo kirpichnogo zavoda No.2, stantsiya Beskudnikovo, Krasnopolynakskiy rayon Moskovskoy oblasti (for Pyasetskiy). 2. Glavnyy mekhanik Beskudnikovskogo kirpichnogo zavoda No.2, stantsiya Beskudnikovo, Krasnopolynanskiy rayon Moskovskoy oblasti (for Lykov). 3. Glavnyy energetik Beskudnikovskogo kirpichnogo zavoda No.2, stantsiya Beskudnikovo, Krasnopolynanskiy rayon Moskovskoy oblasti (for Kolodesh).  
(Brickmaking) (Conveying machinery)

KOLODEZNAYA, O.V.

Problems of the teacher in course supervision. Geog. v shkole  
no.2:39-43 Mr-Apr '54. (MIRA 7:2)  
(Geography--Study and teaching)

KOLODEZNAYA, O.V.

The quissing process as educational and training activity.  
Geog. v shkole 19 no.2:37-45 Mr-Apr '56. (MLRA 9:7)  
(Examinations)

KLEBANOV, G. Ya.; ABEL'SKIY, A. M.; BEYDER, A. V.; VAYNER, S. V.;  
VLASIK, V. S.; GOL'DFEDER, Ya. M.; DUDKINA, D. F.; ZHURAVLEVA,  
L. D.; KANE, D. B.; KUBALNOV, M. L.; KOLODEZNAYA, T. B.;  
KUTASNIKOV, V. Ya.; SOLODOVNIKOV, B. M.; STROYMAN, L. A.;  
SHUMKOVA, N. S.

Results of dispensary treatment of occupational dermatoses in  
the clinics of Leningrad. Vest. dermat. i ven. 36 no.6:58-62  
Je '62. (MIRA 15:6)

1. Iz kozhno-venerologicheskikh dispanserov No. 1, 2, 3, 5, 9,  
10, 11, 12, 13, 14, 15, 17, 18, 19, 22 (nauchnyy rukovoditel' -  
chlen-korrespondent AMN SSSR prof. P. V. Kozhevnikov)

(LENINGRAD--OCCUPATIONAL DISEASES)  
(SKIN--DISEASES)

KOLODEZNAYA, Ts. Ye.

Kolodeznaya, Ts. Ye. -- "The Problem of Clinical-Laboratory Analysis of Bacterial Dysentery during Wartime." Min Health USSR. State Sci Res Inst of Microbiology and Epidemiology of the Southwest of the USSR "Mikrob." Saratov, 1956.  
(Dissertations for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

FROLOV, V.I.; KOLODEZNIKOV, K.Ye.

Natural distillation of coal. Priroda 54 no.2:75-76 F '65.  
(MIRA 18:10)

1. Institut geologii Yakutskogo filiala Sibirskogo otdeleniya  
AN SSSR, Yakutsk.

Water softening. 1. Causes of hardness and reasons for reduction. George E. Symons. American Water Works Co. Pontiac, Ill. Water or Sewage Works 104 (1967).  
 2. Prevention of oxygen corrosion by aid of hydrogen. D. A. Akol'ma, D. A. Deniskina, B. A. Kabanov, M. A. Kabanov, and I. K. Shadrin. Zhurnal Khim. i Mekh. 4, No. 11, 1967 (1967). The removal of oxygen from water, which condenses and similar H<sub>2</sub>O which reacts with iron, using its use a higher temp is brought about as follows: the reaction  $3\text{H}_2 + \text{H}_2\text{O}(\text{g}) + \text{O}_2 = \text{N}_2 + 2\text{H}_2\text{O}$ . The reaction is subject to heavy fluctuations, an excess of H<sub>2</sub> is added, which does not matter under the conditions considered, as on exposure to temps. of 104° the reaction  $3\text{H}_2 + \text{N}_2 = 2\text{NH}_3 + \text{N}_2$  will proceed rapidly, and the NH<sub>3</sub> liberated does not cause any damage to the system in its intended use.

Abstract: Following the summer pasture, four groups (six heads in each) of deen-Astrakhan castrated young bulls were formed, taking into account age, live weight and degree of fattening. During 40 days of fattening on pasture, the animals received the following

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823910012-5"

Card 1/2

abs. Cattle.

Q-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54766.

Abstract: supplements: 1st group - 3 kg. millet meal; 2nd group - 1.5 kg. millet meal plus 1.5 kg. crushed barley; 3rd group - 3 kg. crushed barley; 4th group (control) was fed pasture only. The following average daily weight gains were obtained per each group (in g.): 1,005, 1,085, 925, 625. The fat deposition (in kg.) and caloricity of meat (Cal. in one kg.) were 21.1 and 2,893, 18.6 and 2,655, 20.9 and 2,636, 16.1 and 2,463, respectively.

Card 2/2

KOLODIN, Aleksandr Kirillovich; ROMANENKO, V.P., red.; TSYURKO, M.I., tekhn.  
red.

[Rural clubs during the spring sowing season; work experience of the village club in Shaposhnikovo, Teplovka District, Orenburg Province]  
Sel'skii klub v period vesennego seva; iz opyta raboty kluba sela  
Shaposhnikovo, Teplovskogo raiona, Orenburgskoi oblasti. Orenburg,  
Orenburgskoe knizhnoe izd-vo, 1960. 18 p. (MIRA 14:9)  
(Shaposhnikovo--Community Centers) (Sowing)



KOKURIN, A.D.; OBREZKOV, V.D.; KOLODIN, E.A.

Effect of the size of movable electrodes in electrocracking of  
liquid products. Zhur.prikl.khim. 35 no.6:1379-1382 Je '62.  
(MIRA 15:7)

(Electrodes) (Cracking process)

POLOZOV, V.F.; ZAPEVALOV, N.V.; SOTNIKOV, M.A.; KOLODIN, E.A.; KOKURIN, A.D.

Breaking down kerosine in momentary intermittent electric arcs.  
Trudy VNIIT no.13:45-65 '64. (MIRA 18:2)

IVANENKO, V.V.; KOLODIN, G.N.; MELENT'YEV, B.N.; PAMFILOVA, L.A.

Apparatus for determining the solubility of radioactive substances  
at elevated temperatures and pressures. Atom. energ. 15 no.5:426-  
428 N '63. (MIRA 16:12)

STAVISKIY, N., inzh. po ratsionalizatsii i izobretatel'stvu;  
KOLODIN, I., inzh.; REZNIK, F., inzh.

Suggestions of innovators. Grazhd. av. 18 no.6:20-21 Je '61.  
(MIRA 14:7)

(Technological innovations)

KOLODIN, I., inzh.; BAGRIY, V. (pos. Lyubashevka)

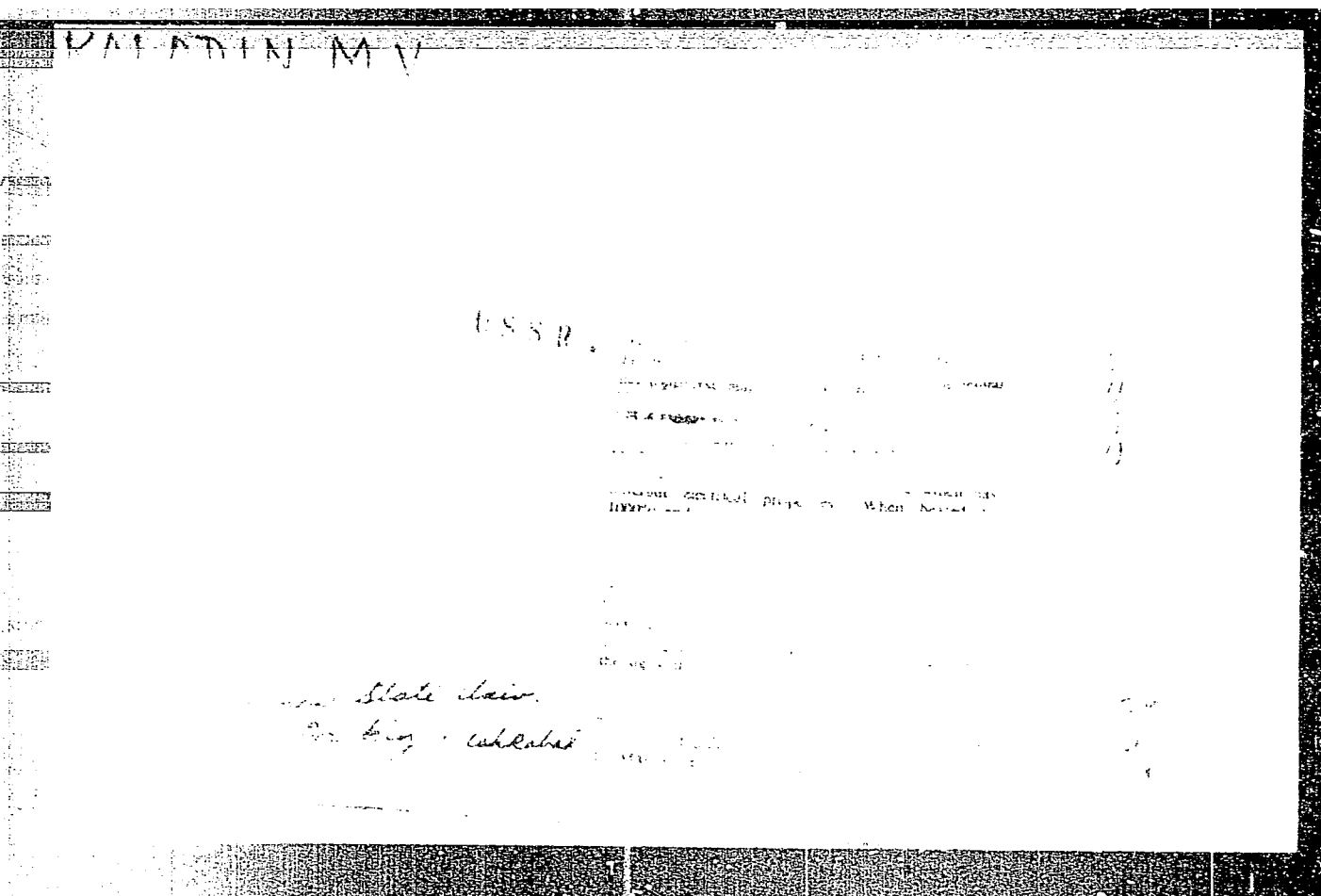
Exchange of experience. Radio no. 10:24, 34, 39, 40, 46, 55, and 61  
0 '61. (MIRA 14:10)

(Radio)

KOLODIN, M.V.

Thermomagnetic effect of the alloy Fe-Pt. (M. V. Kolodin and M. V. Kolodin, Doklady Akad. Nauk SSSR, 1962, 152, (5), 888-890, in Russian). To investigate the influence of the ordering process on the thermomagnetic effect in the Fe-Pt, wire specimens (200 mm. long, 0.15 mm. in diam., having one junction in the center) of the alloy were annealed in boiling water, were cooled, and the change in  $\Delta E$  under the action of a constant field  $H$ , were measured for a constant temperature. The specimens had first been heated in water at the annealing temperature, quenched in water, then annealed in water at the temperature within the range 800-1000°C. The results are shown graphically as plots for each annealing temp. of  $\Delta E$  against  $H$ , of  $\Delta E$  against  $H$ , and of  $\Delta E$ , against  $H$ , the saturation magnetization  $M_s$ , against annealing temp. A reduction in the annealing temp. not only leads to a fall in the numerical value of  $\Delta E$ , but also causes it to change sign from negative to positive. There is a linear relation between  $\Delta E$  and  $M_s$  for each annealing temp. This annealing is caused by the internal elastic stress, which in a ferromagnetic material is caused by the ordering process, and lead to a reduction in  $\Delta E$ . The curves obtained are similar to those for Ni-Mn.-G. 12-1.

Thermomagnetic effect of the alloy Fe-Pt. (M. V. Kolodin and M. V. Kolodin, Doklady Akad. Nauk SSSR, 1962, 152, (5), 888-890, in Russian).



KOLODIN, M.V.

Special aspects of the intensity of winds in the Turkmen S.S.R.  
Izv.AN Turk.SSR no.5:12-16 '56. (MLRA 9:12)

1. Institut fiziki i geofiziki Akademii nauk Turkmenskoy SSR.  
(Turkmenistan--Winds)



KOLODIN, Mikhail Vasil'yevich; ASTAPOVICH, I.S., redaktor; MAKSYUTOVA, L.A.,  
redaktor izdatel'stva; KASPAR'YANTS, L.T., tekhnicheskij redaktor

[Wind and wind engineering] Veter i vetrotekhnika. Pod red. I.S.  
Astapovicha. Ashkhabad, Izd-vo Akad.nauk Turkmenskoi SSR, 1957.  
138 p. (MIRA 10:8)

(Winds) (Windmills)

KOLODIN, M.V.

Selecting a calculated speed for wind motors. Trudy Inst. fis. i  
geofis. AN Turk. SSR 4:22-32 '58. (MIRA 11'9)  
(Windmills)

KOLODIN, M.V.

Some elements of wind-power surveys in Turkmenistan. Trudy Inst.  
fiz.i geofiz.AN Turk.SSR 5:112-136 '58. (MIRA 13:6)  
(Turkmenistan--Wind power)

KoLoDin, M. V.  
8(5)

PHASE I BOOK EXPLOITATION SOV/2570

Akademiya nauk SSSR. Energeticheskiy institut

Voprosy vetroenergetiki (Problems in Wind Power Engineering)  
Moscow, Izd-vo AN SSSR, 1959. 135 p. Errata slip inserted.  
1,700 copies printed.

Ed. of Publishing House: V. N. Golovko; Tech. Ed.: I. N. Guseva; Editorial Board: Ye. M. Fateyev, Corresponding Member, VASKhNIL, Professor (Resp. Ed.), D. N. Bystritskiy, K. P. Vashkevich, A. V. Karmishin, V. R. Sektarov, V. Ye. Fedotov, M. O. Frankfurt, G. I. Sholomovich.

PURPOSE: The book is intended for power engineers, scientists, and research workers engaged in wind power engineering.

COVERAGE: These articles discuss aspects of wind power utilization. Individual papers treat the aerodynamic properties of already existing windmills, the construction of new types of windmills, wind electric power stations, and efficient wind-electric and wind-pumping units. A theory on the control of high-speed windmills is also discussed. The TsNILV (Central Card 1/4.

Problems in (Cont.)

SOV/2570

Scientific Research Laboratory for the Study of Windmills) is reported to be working on the development of a 400 kw wind - electric station in parallel operation with several stations with common buses to supply electricity to rural areas. References accompany each article.

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Card 3/4 : Summary of Contents

KOLODIN, M.V.

Power resources of the world. Izv. AN Turk. SSR. no.1:9-21  
'59. (MIRA 12:5)  
(Power resources)

KOLODIN, M. V.

Cand Tech Sci - (diss) "Development of wind cadastre with the purpose of determining the efficiency of use of wind energy on the arid pastures of Turkmenia." Plyushchevo, 1961. 24 pp with diagrams and maps; (Joint Council of the All-Union Scientific Research Inst for Mechanization of Agriculture "VIM", and the All-Union Scientific Research Inst for Electrification of Agriculture "VIESKh"); 150 copies; price not given; (KL, 6-61 sup, 218)

3.5740 (1041)

32233

S/196/61/000/011/017/042  
E194/E155

AUTHOR: Kolodin, M.V.

TITLE: Experience of using the Goodrich equation for constructing the wind-energy cadastre [Survey] of the Turkmenian SSR

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.11, 1961, 43, abstract 11D 204. (Tr. Fiz.-tekhn. in-ta AN TurkmSSR, no.7, 1961, 35-91)

TEXT: An analysis is given of the equations used for equalising the distribution of wind speeds and other random magnitudes (water flow, precipitation, etc). It is shown that in addition to the distribution equations proposed by G.A. Grinevich, that of Goodrich is also theoretically satisfactory in the form

$$y = knx^{n-1} - e^{kxn}$$

where k and n are parameters of the equation used by Goodrich in another form for hydrological calculations.

Card 1/2



KOLODIN, M.V.

Use of Goodrich's equation in estimating the wind power resources  
of the Turkmen S.S.R. Trudy Fiz.-tekh.inst. AN Turk. SSR 7:35-91  
'61. (MIRA 15:2)

(Turkmenistan—Wind power)

KOLODIN, M.V., red.; SMIRNOV, L.N., red.; ARTYKOVA, T.V., red. izd-  
va; IVONT'YEVA, G.A., tekhn. red.

[Materials presented at the Interrepublic Scientific Ses-  
sion on the Reclaiming of the Desert Areas of Central Asia  
and Kazakhstan] Materialy dolozenyye na Mezhrеспублиkan-  
skoi nauchnoi sessii po osvoeniyu pustynnykh territorii  
Srednei Azii i Kazakhstana. Ashkhabad, Izd-vo AN Turkm.SSR.  
Book 3. [Minerals and energy resources of deserts and their  
utilization] Poleznyye iskopaemye, energeticheskie resursy  
pustyn' i ikh ispol'zovanie. 1963. 187 p. (MIRA 17:1)

1. Mezhrеспубликанская nauchnaya sessiya po osvoyeniyu  
pustynnykh territoriy Sredney Azii i Kazakhstana.

KOLODIN, Samuil Mikhaylovich; SEVERYUKOV, N.N., red.; LUTSKAYA,  
G.A., red.izd-va; EL'KIND, L.M., red.izd-va;  
MIKHAYLOVA, V.V., tekhn. red.

[Secondary tin] Vtorichnoe olovo. Moskva, Metallurg-  
izdat, 1963. 219 p. (MIRA 17:2)

KOLODIN, T.

USSR/Cultivated Plants - Technical, Oleaginous, Sachariferous.

11-7

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39454

Author : Kolodina, T.

Inst : -

Title : An Experiment in Growing High Yields of Sugar Beets in  
Taldy - Kurganskaya Oblast.

Orig Pub : S.-Kh. Kazakhstan, 1957, No 4, 15-18.

Abstract : No abstract.

Card 1/1

1. SHEPTEER, YA. I., Eng., KOLODIN.V.N.
2. USSR (600)
4. Windmills
7. Shortcomings of the regulator of windmill model D-18. Sel'khoz mashina No. 12, 1952.
9. Monthly List of Russian Accessions. Library of Congress, February 1953. Unclassified.

Kolodin V.N.

AID P - 2699

Subject : USSR/Engineering  
 Card 1/1 Pub. 78 - 17/21  
 Author : Kolodin, V. N.  
 Title : New instrument for weighing out preestablished portions of oil products  
 Periodical : Neft. khoz., 33, 5, 85-87, My 1955  
 Abstract : The instrument is described for weighing out 8 klg portions of gasoline to tractors in agricultural machine and tractor service stations (MTS). Diagrams.  
 Institution : None  
 Submitted : No date

SOV/137-59-2-3371

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 137 (USSR)

AUTHOR: Kolodin, Ya. F.

TITLE: Welding of Conductors by Means of Heating in Aqueous Electrolytes  
 (Svarka provodov nagrevom v vodnykh elektrolitakh)

PERIODICAL: V sb.: Sovershenstvovat' tekhnol. mashinostr. Nr 1. Penza, Knigoizdat, 1957, pp 106-116

ABSTRACT: Investigations performed dealt with a method of welding of conductors made of Pt, constantan, Cu, Al, brass, etc. The method is based on the principle of heating and fusion of a metallic electrode serving as a cathode in an electrolyte (aqueous solution of  $K_2CO_3$ ). In this process, up to 96% of the energy supplied by the generator is dissipated in the welding zone. Various possible systems of welding are discussed: 1) Contact between the conductors to be welded and the surface of the electrolyte; 2) introduction of the conductors into a jet of electrolyte; 3) parallel dipping of the conductors into the electrolyte; 4) feeding of the electrolyte to the article being welded with the aid of an asbestos wick; 5) employing a carbon electrode immersed in the electrolyte. Various current-supplying devices are described together

Card 1/2

SOV/137-59-2-3371

Welding of Conductors by Means of Heating in Aqueous Electrolytes

with the procedures and technology of various methods of welding of conductors ranging from 0.03 to 4 mm in diameter. The author emphasizes the high efficiency of the method and the good quality of welds obtained in conductors, e.g., in sections of electrical motors.

N. T.

Card 2/2

KOLODINA. I.S., inzhener

Actinometer for measuring heat radiation in industry. Oig. i sen.  
22 no.8:80-82 Ag '57. (MIRA 10:9)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta gigiyeny  
truda i professional'nykh zabolevaniy

(RADIATION, determ.

in indust., measurement with inspection actinometer)

(INDUSTRIAL HYGIENE

determ. of radiations with inspection actinometer in  
indust.)



SOKOL'SKAYA, A.M.; SABIROVA, A.A.; KOLODINA, I.S.

Extraction of saponin from *Gleditschia australis leguminosae* and  
*Sapindus mukorossi* G. sapindaceae. Apt. delo 9 no. 5:23-25 S-0  
'60. (MIRA 13:10)

1. Kafedra organicheskoy khimii Kazakhskogo gosudarstvennogo  
universiteta imeni S.M. Kirova.  
(SAPONINS) (HONEY LOCUST) (SOAPBERRY)

VALYASHKO, M.G.; KOLODINA, L.I.

Genesis of underground waters in the Caspian Lowland portion of  
Turkmenistan. Vest.Mosk.un. Ser.4:Geol. 17 no.3:31-44 My-Je  
'62. (MIRA 15:6)

1. Kafedra geokhimii Moskovskogo universiteta.  
(Turkmenistan--Water, Underground)

KOLODINA, N. S.

5-21-57  
mef

British Abst.

A I

Aug. 1953

Physical Properties and  
Molecular Structure of Single  
Substances

✓ Electron absorption spectra of polystyrene and its derivatives.  
M. V. Volkenstein and N. S. Kolodina (*Izvestia*, 1952, 1039-1035).—  
U.V. absorption spectra of polystyrene and some of its halogen  
deriv. are determined and compared with the spectra of their  
hydrogenated monomers (e.g., polystyrene and PhEt). With one  
exception the spectra pairs almost superimpose, and the max. occur  
at the same  $\lambda$ , a fact which provides some evidence of a liquid-like,  
non-cryst. structure for polystyrene and its derivatives.

S. K. LACHOWICZ. —

High Polymer Inst., AS USSR, Moscow

KOYRANSKIY, B.B., prof.; UKVOL'BERG, L.Ya., kand.med.nauk;  
DMITRIYEV, M.V., mladshiy nauchnyy sotrudnik; KOLODINA, N.S.,  
mladshiy nauchnyy sotrudnik

Influence of air ionization on work efficiency. Gig. i san.  
26 no.7:29-33 J1 '61. (MIRA 15:6)

1. Iz Leningradskogo instituta gigiyeny truda i professional'nykh  
zablevaniy.

(AIR, IONIZED—PHYSIOLOGICAL EFFECT)  
(WORK)

Kolodina, N.S.

PHASE I BOOK EXPLOITATION

SOV/6150

Akademiya nauk Latvyskoy SSR. Institut eksperimental'noy meditsiny.

Voprosy kurortologii. [t.] 5: Problemy fiziologicheskogo deystviya i terapevticheskogo primeneniya aeroionov (Problems in Health-Resort Therapy. v. 5: Studies of the Physiological Effect and Therapeutic Application of Air Ions). Riga, Izd-vo AN Latvyskoy SSR, 1959. 424 p. (Series: Its: Trudy, t. 20) Errata slip inserted. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Latvyskoy SSR. Institut eksperimental'noy meditsiny.

Editorial Board: Resp. Ed.: L. L. Vasil'yev, Professor, P. D. Perl, Professor, F. G. Portnov, Candidate of Medical Sciences, Ya. Yu. Reynet, Candidate of Physical and Mathematical Sciences, and L.M. Tutkevich, Candidate of Medical Sciences; Ed.: A. Vengranovich; Tech. Ed.: A. Zhukovskaya.

Card 1/7

25

Problems in Health-Resort (Cont.)

SOV/6150

PURPOSE: This book is intended for physicians working at health resorts and for the general practitioner.

COVERAGE: This book, a collection of articles, is essentially the proceedings of the Second Conference on the Physiological Effect and Therapeutic Application of Air Ions, held at Riga (Latvian SSR) in December 1957. The use of negative air ions is believed to be beneficial in the treatment of nonhealing wounds and ulcers which often result from radiation injury. The book contains photos of numerous devices described in the text. Numerous references, mostly Soviet, are given at the end of some of the articles.

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Equipment for Measuring  
Attenuation of the H<sub>g</sub> Wave in the  
Sections of Waveguides by the  
Resonance Method  
T. F. Kolodina, *Radiotekhnika i Elektronika*,  
Apr. 1958, 3, 1

A method is described of measuring the  
attenuation in cylindrical waveguides, with  
diameters of 50 mm and lengths of  
3.2 cm. The method is based on the  
comparison of the measured and calculated  
volume with the frequency characteristic  
of the waveguide. The method is  
suitable for the determination of the  
attenuation of the wave in the  
treatment, on the  
drawing and  
are shown and a check is made of the  
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Author: **APPROVED FOR RELEASE: 09/18/2001** CIA-RDP86-00513R000823910012-5"

Inst : Lithuanian Agricultural Academy.

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Orig Pub : Sakharnaya svekla, 1957, No 3, 23-27

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demy under field conditions in 1953-1955 a study was made  
of the square and square-nest methods of setting out  
plants on both flat and furrowed sowings. The following  
methods of mechanized thinning were investigated: square-  
nest and square plant distribution (60 x 60 cm.) with the  
groove 35 and 40 cm. wide and the length of the bouquets  
25 and 20 cm.; rectangular plant distribution

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